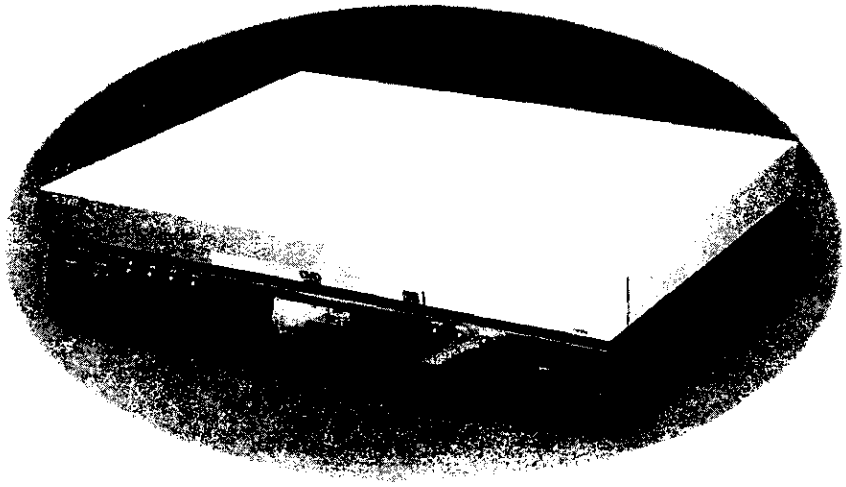
ROWA **DVD-3610**

DVD/VCD/CD/MP3 PLAYER



INSTRUCTION MANUAL

Warning

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOSITURE.

The lightning flash with arrowhead symbol,with and equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the Product's enclosure that may Be of sufficient magnitude to constitute a risk of electric shock to people.

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICING PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

"⧈" This product has been evaluated for double protection to prevent electric shock hazard.

IMPORTANT SAFETY NOTES: Read these instructions.
Do not loose the safety instruction. Keep in a safe place where you can easily access them. Refer to these safety notes.

1) Keep these instructions.

2) Heed all warnings.

3) Following all instructions.

4) Do not use this apparatus near water.

5) Clean only with dry cloth.

6) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.

7) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

8) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

10) Only use attachments/accessories specified by the manufacturer.

11) Use only with the cart,stand,tripod,bracket,or table specified by the manufacturer, or sold with the apparatus. When a cart is used,use caution when moving the cart/apparatus combination to avoid injury from tip-over.

12) Unplug this apparatus during lightning storms or when unused for long periods of time.

13)Refer all servicing to qualified servicing personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged,liquid has been spilled or objects have fallen into the apparatus,the apparatus has been exposed to rain or moisture,does not operate normally,or has been dropped.

14) This appliance shall not be exposed to dropping or splashing water and that no object filled with liquids such as vases shall be placed on this apparatus.

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Congratulations on your purchase of DVD3610. We strongly recommend that you carefully study the Operating Instructions before attempting to operate the player and that you note the listed precautions.

Features

■ High sound quality

- This player enables 96 KHZ /24 bit linear PCM signals ,which constitute the specifications towards the highest in DVD standards.The sound in all of its various modes is reproduced faithfully and SNR performance can reach up to 99dB.
- The user can select Dolby digital/linear PCM,DTS digital output based on their own AV components.
- 15 kinds of digital sound effect simulation.

■ High picture quality

- 10 bit video D/A converter
  With its 10 bit capability,this D/A converter reproduces fine images faithfully and the resolution can reach up to 500-line

■ Versatile DVD features

- Multi-audio function
  The audio soundtrack can be heard up to 8 languages. (The number of audio languages also depends on the disc being played.)

- Multi-angle function
  Scenes may be displayed in one of a maximum of different angles. (subject to the DVD disc being recorded with multiple camera angles.)

- Multi-subtitle function
  Subtitles may be displayed in up to 32 languages.(DVD recorded with multi-subtitles)

- Parental lock function
  This can prevent playing of DVD discs unsuitable for children.

■ **Bookmark function**

This player can store a maximum of 3 positions in its memory which can be recalled when you like.

■ **Compatible with PAL and NTSC DVD/Video CD**

This player can play discs recorded in either PAL or NTSC format. However, the player must be connected to a Multi-system TV to play both PAL DVD /Video CD and NTSC DVD/Video CD .The use of a Multi-system TV is recommended.

■ **Discs which can be played with this player**

- DVD
- SVCD, CVD, DVCD
- VCD
- CD, CD-R,CD-RW,MP3

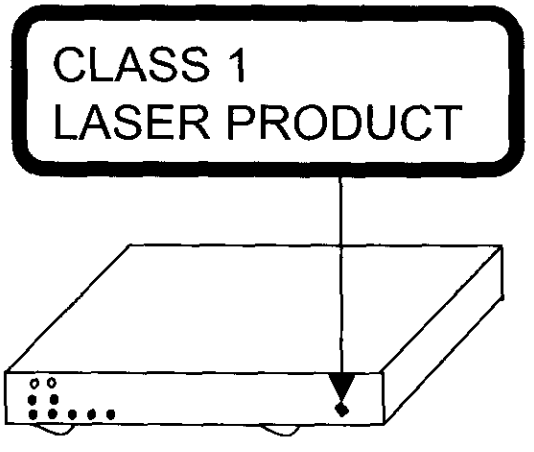
• Do not try to play any Discs whose format can not be supported by this DVD player, otherwise, data on the disc may be damaged.

Precautions

We greatly recommend that you read these precautions before operating this player.

Radiation

DVD/VCD/CD/MP3 player is a Class 1 laser product. However this DVD/VCD/CD/MP3 player uses a visible laser beam which could cause hazardous radiation exposure if directed. Be sure to operate the DVD/VCD/CD/MP3 player correctly as instructed.



(BACK OF PLAYER)

CAUTION -LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

No fingers or other objects inside

- Touching internal parts of this player is dangerous and may cause serious damage to the player.Do not attempt to disassemble the player.
- Do not put any foreign object on the disc tray.

Condensation

Moisture may form on the lens under the following conditions.

- immediately after a heater has been turned on.
- in a steamy or very humid room.
- when the player is moved from a cold environment to a warm one.

If moisture forms inside this player, it may not operate properly. In this case,turn on the power and wait about one hour for the moisture to be evaporated.

If there is noise interference on the TV while a broadcast is being received with DVD player on

Depending on the reception condition of the TV, interference may appear on the TV screen while you are watching a TV broadcast and the player is on. This is not a malfunction of the player or the TV. To watch a TV broadcast, set the player to the standby mode.

Before Using

Checking Accessories

Please confirm that the following were received with the player.

1.Audio cord

2.Video cord

3.Remote control unit

4.Operating instructions (this brochure)

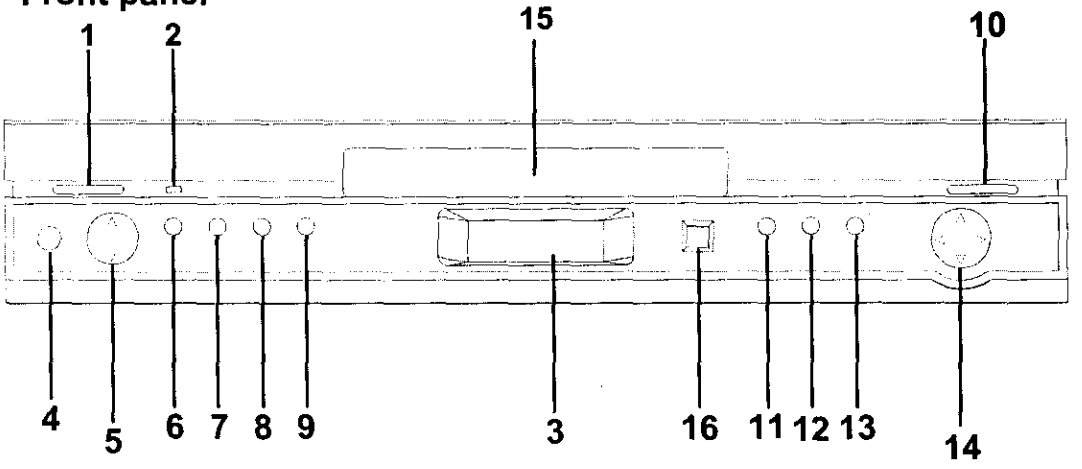
Preparing the Remote Control

Insert 2 x 1.5 volt "AAA" size batteries into battery compartment as the infrared transmitter requires 3 volts for operation. If the transmission power is insufficient, replace the batteries. Position the positive and negative polarities of the batteries properly according to the indication inside the battery compartment. Using batteries other than these specified may cause malfunction or inoperative operation of the unit.

Note: To maintain accuracy and longer life-time of the transmitter, do not simultaneously press two or more buttons.

Names and functions

Front panel



1.POWER switch
Press to switch the player on/off

2.STAND-BY indicator
Green means working status while red means stand-by

3.Display window
Displays the disc information and play status

4.PHONES
To connect to earphone

5.VOLUME
Use to adjust the sound

6.BACK
Press BACK (|◀◀) to previous track/chapter

7.NEXT
Press NEXT(▶▶|) to next track/chapter

8.STOP
Press to stop playback and return to logo screen

9.PLAY/PAUSE
To play,pause play and resume play

10.OPEN/CLOSE
Press to open/close the disc tray

11.SETUP
Press the button to display setup menu

12.MENU
DVD:Select the root menu.
VCD:Select PBC function

13.REPEAT
To open/close REPEAT menu

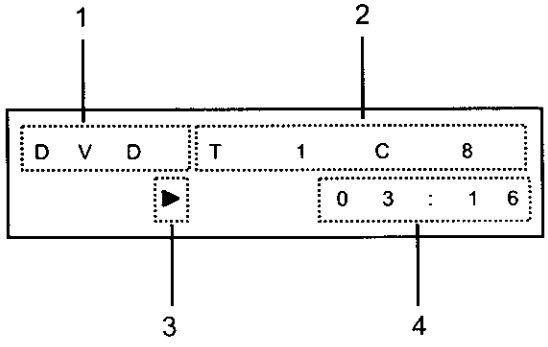
14.ARROW AND ENTER BUTTON
Move around the options on the screen for selection.

15.DISC TRAY
When loading a disc,place disc in the disc tray with the label side facing up.

16.REMOTE SENSOR
To receive the signal from remote control

Front Panel Display----LCD Backlight Display

The following is one display example



1.Media type :
"DVD" for DVD disc
"VCD" for VCD 1.1/2.0
"CD" for audio CD
"MP3" for MP3 disc

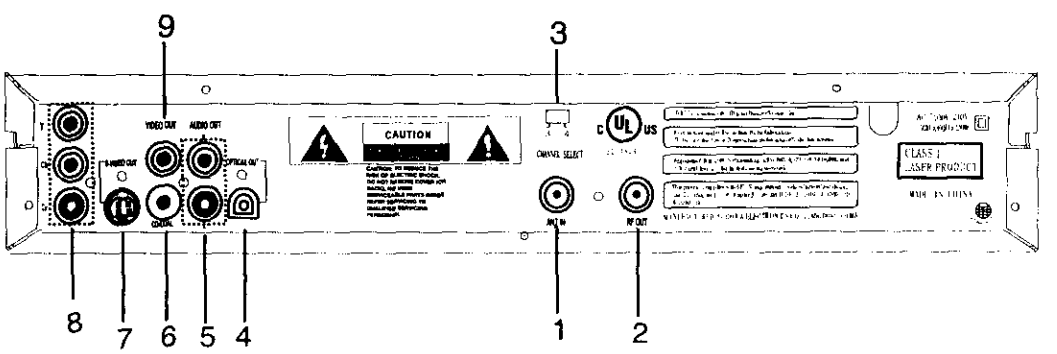
2.TITLE/CHAPTER/TRACK indicator
T 1 C 8
for DVD,means title 1 chapter 8

Track 03
is for Video CD/Audio CD and MP3 disc.

3. Operational status indicator
Indicate the current operational status such as play,stop,open,loading etc.
"■" : stop status
"►" : play status
"OPEN":Tray is open
"LOADING":Disc is loading

4.Time indicator
03:16
Indicate the elapsed time of the current chapter/track in sequence of mm:ss

Rear Panel



1. Antenna in jack
Connect to the external antenna

2. RF out jack
To connect the RF signal to the antenna terminal of a TV unit.

3. Channel select switch
To select between 3 or 4 channels for a better video and audio quality.

4. Optical output jack
Use to deliver the digital audio signal recorded on discs to an AV amplifier or receiver.

5. Audio OUT jacks
Use to connect two-channel audio audio (analog) to the audio stereo input on a TV or stereo amplifier. If the unit is connected to a receiver that has both digital and analog input jacks for DVD player connection , it may be beneficial to make both connections.

6.Coaxial output jack
Use to connect the digital audio signal recorded on discs to an AV amplifier or receiver.

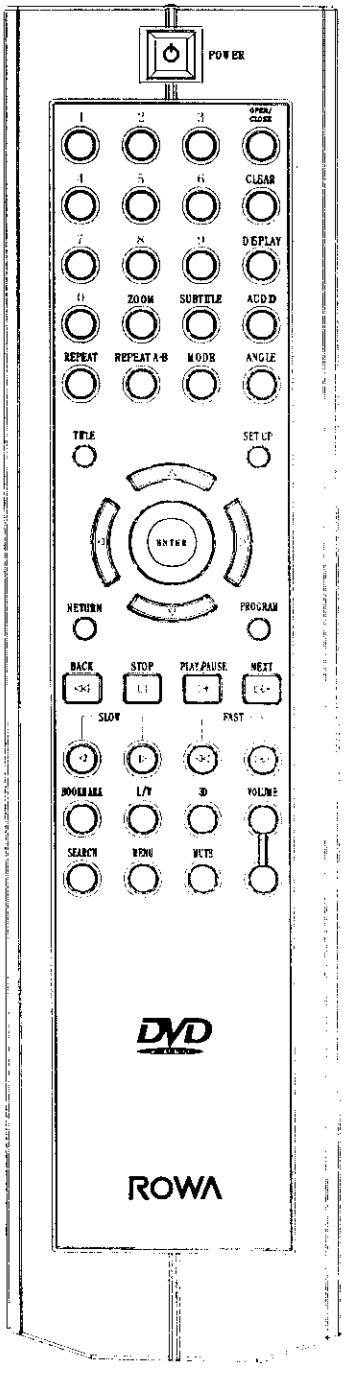
7.S-VIDEO out jack
If your TV or monitor has an S-video input, better picture reproduction is possible by connecting the player to your TV or monitor via the S-Video jack.

8. Y,U(Cb),V(Cr)
If your TV or monitor has an Y,U(Cb), V(Cr) inputs,higher quality picture reproduction is possible by connecting the player to your TV or monitor via the Y,U,V inputs.

9.VIDEO out jack
Connect to the Video input on a TV or monitor or AV amplifier or receiver with video input capability.

Note: ⧈ Means double-layer insulation

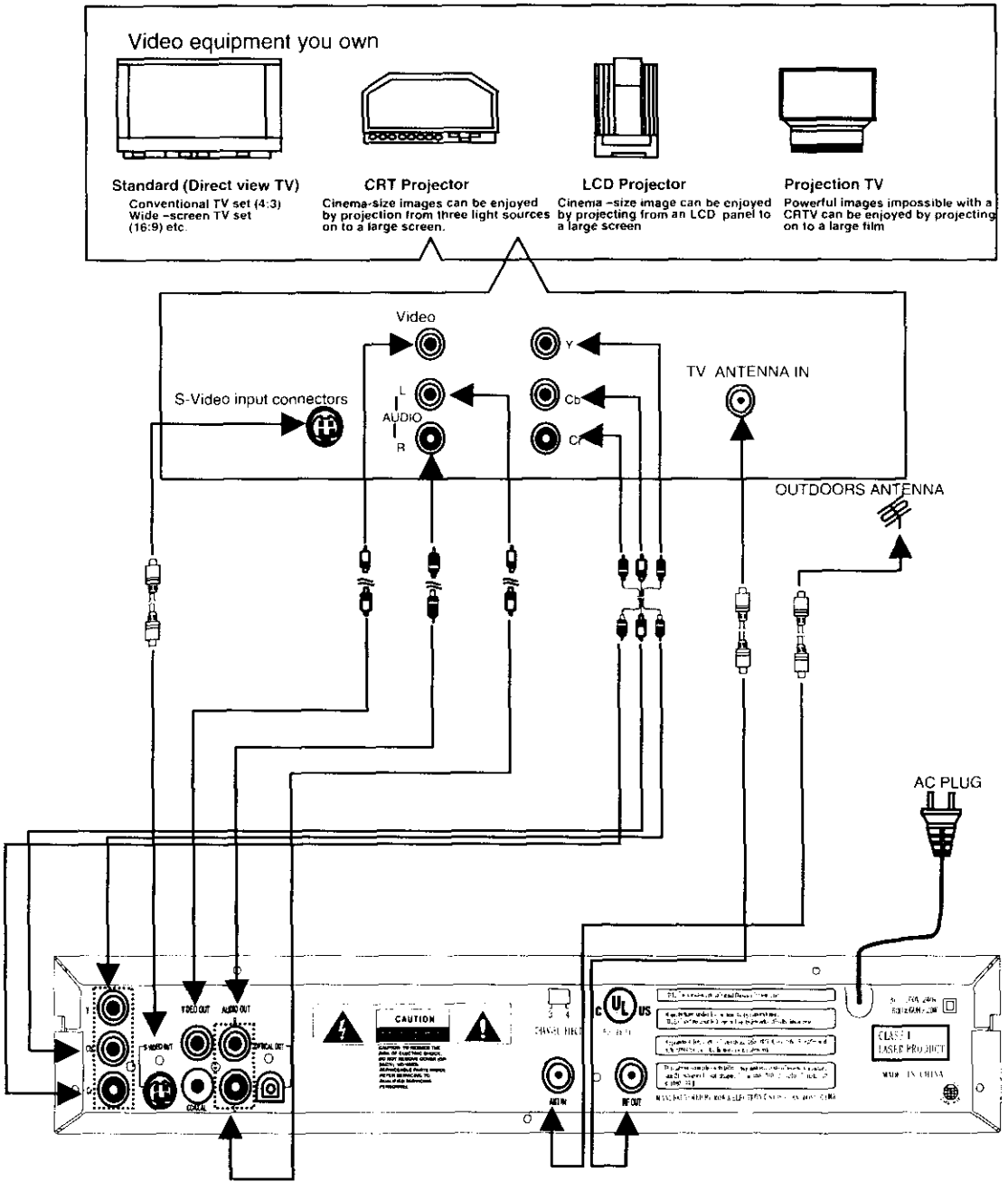
Remote Control



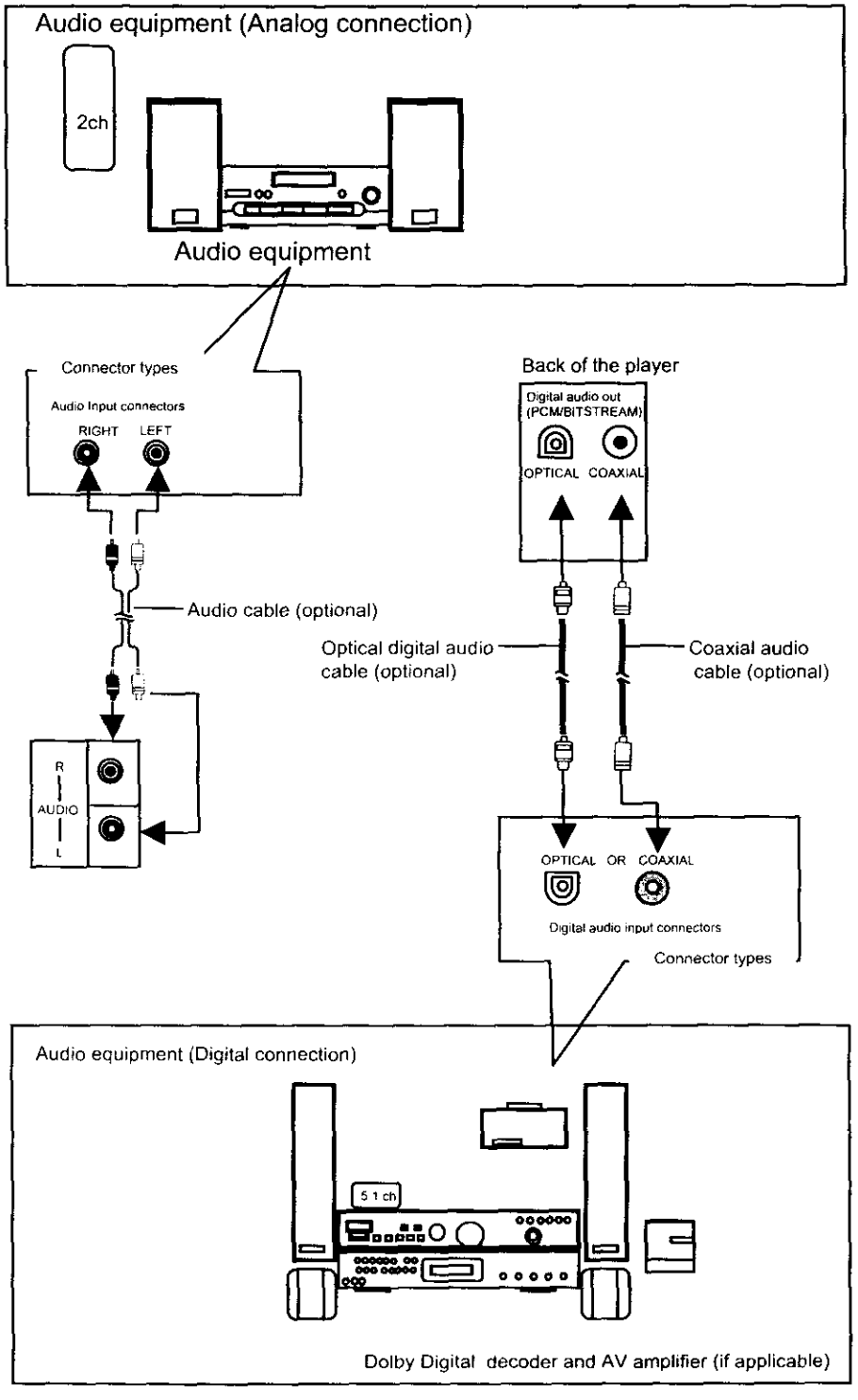
Button	Description
POWER	Switch between stand-by and working status
CLEAR	Clear a numeric entry/bookmark
DISPLAY	Display time and disc play status
AUDIO	Select audio languages for your preference
ZOOM	Zoom the picture in different modes (1x,2x,3x,off)
SUBTITLE	Select the subtitle languages for your preference
DIGIT,0-9	Enter the track or chapter/title or time
REPEAT	Repeat the whole disc or title/chapter or track of the disc based on your choice
REPEAT A-B	Select specific segment for repeat
MODE	Select play or repeat mode
ANGLE	Multi-angle DVD only :select angle of scene
TITLE	multi-title DVD only:Show the title of disc
SET UP	Select SETUP menu
ENTER	Input / switch
RETURN	Return to root menu state
PROGRAM	Program tracks or chapters/titles to play
BACK/NEXT	Skip to back/next track / chapter
STOP	Stop playing
PLAY/PAUSE	To play,pause and resume play
SLOW	Slow forward/backward play
FAST	Fast forward/backward play
BOOKMARK	Bookmark setting (up to 3 locations)
L/R	Select left/right audio channel
3D	Select 3D stereo enhancement
VOLUME +/-	Increase/decrease the sound level
SEARCH	Search specific time or track/title/chapter to play
MENU	Select root menu or PBC function
MUTE	Select mute on/off

Basic connection

- Ensure that this player and any other equipments to be connected are all set to standby mode or off position and disconnect the AC cord before commencing connection.
- Do not block ventilation holes of any of the equipments and arrange them so that air can circulate freely.
- Read through the instructions before connecting other equipments.
- Ensure that you observe the color coding when connecting audio and video cables.
- Refer to the following tables for details on what equipments can be connected to this player,and what cables are required.



■ Optional audio connection

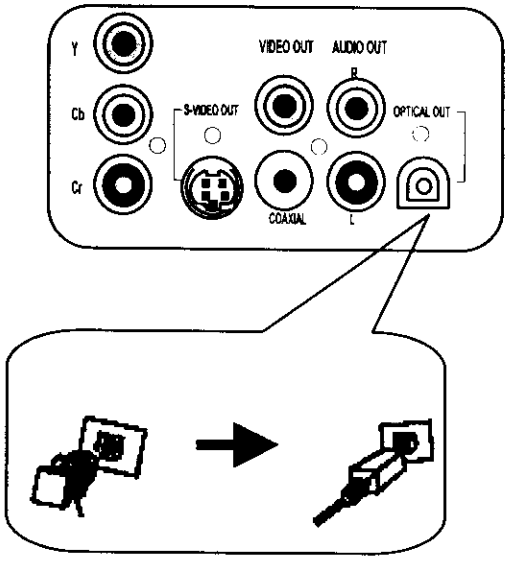


Optional audio connections

Enjoying digital audio output from the digital audio output connector

Note when connecting the optical digital audio cable (optional)

- Remove the dust protection cap from the optical digital audio output and connect the cable firmly so that the configurations of both the cable and the connector match.
- Keep the dust protection cap to protect against dust,always reattach the cap when not using the connector.
- Sound from the microphone will not be output from the digital audio output connector.



Considering the audio output from the player's optical/coaxial digital audio output connector.The type of audio output from the connector can be selected by "Digital output choice "in "PLAYER CONFIGURATION VIA SETUP MENU"

The following list out the format of Digital output for different types of disc.

Disc	Sound recording	Optical /coaxial digital audio output connector
DVD	Dolby Digital 5.1 channel	Dolby Digital bitstream (1-5.1ch) or PCM(2ch) (48KHZ /16 bit)
	Linear PCM (48 /96KHZ 16/20/24bit)	Linear PCM(2ch) (48KHZ sampling/16bit only) or no output
Video CD	MPEG 1	PCM (44.1 KHZ sampling)
CD	Linear PCM	Linear PCM (44.1 KHz sampling)

BASIC PLAYBACK

The basic playback function are the minimum functions used to play a disc . All are accessed directly through the front panel or the remote control.

Powering on the player, inserting a disc and playing it

- Insert the AC plug into the mains AC outlet.
- Press POWER button on the front panel.

* If there's a disc in the tray,the unit will begin to read the disc.

- Press OPEN/CLOSE button on the front panel or remote control, the DISC TRAY will pop out.
- Insert a disc.
- Press OPEN/CLOSE button on the front panel or remote control to close the disc tray. The unit will begin to play the disc.For the first several seconds, the LCD will display "LOADING" which is flickering until disc has been recognized. And MP3 disc will spend more time for being recognized

*If the unit enter "stand-by"mode, press one of 5 buttons(OPEN/CLOSE,BACK,NEXT,STOP,PLAY /PAUSE) on the front panel to make the unit be in working status.

Pausing playback

- Press PLAY / PAUSE button once to pause playback . The sound is muted during PAUSE mode.
- Press PLAY/PAUSE button again to resume normal playback.

Stopping playback (showing of the DVD Logo screen) and resuming playback after stopping.

- Press STOP button to stop playback and this will show the logo screen . The unit will memorizes the location where playback is stopped.
- Press PLAY/PAUSE button to resume playback from the location where playback is stopped

Fast forward/backward (remote control only)

- Press FAST FORWARD/BACKWARD button to fast forward / backward through the disc .
- Each time the FAST FORWARD/ BACKWARD button is pressed,the fast motion speed changes in sequence of 2X,4X,8X,20X of the normal speed correspondingly.
- Press PLAY/PAUSE button to resume normal playback.

Slow forward/backward (remote control only)

- Press SLOW FORWARD/BACKWARD to play a disc in slow motion.
- Each time the SLOW FORWARD/ BACKWARD button is pressed , the slow motion speed changes in sequence of 1/2, 1/4,1/6,1/7 of the normal speed correspondingly.
- Press PLAY/PAUSE button to resume normal playback.

Skipping to the back/next chapter/track

- Press BACK/NEXT button to skip to the beginning of the back/next chapter (DVD) or track (VCD,audio CD,MP3).

  Note: Playback resumes in normal speed after skipping to the beginning of a track or chapter.

Using SEARCH to jump to a specific time or Track/Title/Chapter

1.For VCD and audio CD

(OSD)
Disc Search
Time 00:00:00
Track _ _ _

2.For DVD

(OSD)
Time 00:00:00
Title/Chapter _ _ _ /_ _ _

- Press ARROW button to select the type of search, either a time search or Title/Chapter/Track search.

- To jump to a spot in time on the disc, select Time and enter the time in sequence of hh:mm:ss (hours, minutes,seconds) as followings:

(example)
To play a spot at 1:23:45
Press 1,2,3,4,5 button , ENTER;

(OSD) TIME: 1 : 23 : 45

- To jump to the beginning of a specific track,select TRACK and enter the TRACK number ,press ENTER button
- To jump to the beginning of a specific Title/Chapter, select Title/Chapter or both and enter the Title / Chapter number as followings:

(example)
To play TITLE 2 CHAPTER 4
Press "2" button,ENTER;Press ARROW button "▶" to move the cursor to the next "---",then press "4"button,ENTER

(OSD) TITLE/CHAPTER 2/4

ADVANCED PLAYBACK

Enable TITLE function
(for multi-title disc only)
(remote control only)

For DVD only
- Press TITLE to show the title of disc
- Press ARROW buttons to highlight selected Title Menu entry.
- Press ENTER to select highlighted entry . The unit will begin to play the selected unit

Enable MENU function

For DVD
- Press MENU button to display the root menu
- Press ARROW buttons to highlight selected menu entry.
- Press ENTER to select highlighted entry.The unit will begin to play after selection.

For VCD
- Select PBC function

Use REPEAT A-B to repeat a specific segment
(DVD,VIDEO CD and audio CD)
(remote control only)

Press REPEAT A-B once at the beginning of the segment (point A) you want to play repeatedly.The OSD will display:

(OSD) A -

Press A-B again at the end of the segment(point B). The OSD will display:

(OSD) B –

Note:The player automatically return to point A and starts repeat playback of the selected segment (A-B).

Press A-B a third time to cancel REPEAT A-B playback and allow playback to continue in normal fashion. The OSD will display:

(OSD) OFF

Use BOOKMARK Function (remote control only)

- Press BOOKMARK to enable the BOOKMARK Menu. The OSD will display the following:

BOOKMARK 1_ _:_ _:_ _
BOOKMARK 2_ _:_ _:_ _
BOOKMARK 3_ _:_ _:_ _

- Press the UP/DOWN buttons to select which bookmark to set.
- Once the desired point during playback is reached , press ENTER to set the selected bookmark to the current time.
- To jump to a particular bookmark, select a bookmark with a time value and press ENTER, playback will jump to that spot on the disc within 5 seconds for DVDs and VIDEO CDs and audio CDs
- To clear a bookmark entry, select a bookmark with a time value and press CLEAR button.
- Press BOOKMARK again to close the BOOKMARK menu.

REPEAT PLAY

- Press REPEAT button to display current repeat mode.
- Successive presses of "ENTER " button change the mode in circular fashion.

Three Repeat modes for DVD: OFF,Chapter,Title

Three Repeat modes for VCD,Audio CD,MP3 disc:OFF,ALL,SINGLE

OFF=REPEAT mode disabled.

(OSD) REPEAT:[OFF]

TITLE/ALL=Repeat entire title / all disc . When playback reaches the end of the title or disc,playback will resume at the beginning of the title/disc.

(OSD) REPEAT:[TITLE] /[ALL]

CHAPTER/SINGLE =Repeat current chapter/track. When playback reaches the end of the current chapter/track,playback will resume from the beginning of the chapter/track.

(OSD) REPEAT:[CHAPTER]/[TRACK]

PLAY MODE SELECTION (remote control only)

- Press MODE button to select MODE menu.

(OSD ex.)
Play mode
Mode **off**

OK **Cancel**

Press ENTER button briefly and repeatedly to cycle all the modes: shuffle/program/off. Once get your desired mode, move the cursor to "OK" then press ENTER .

Shuffle= play all the chapters/tracks in random order.

Program=Play the programmed title/chapter/tracks in your desired order(see "enable programmed playback mode" for detail)

Press MODE button again or PLAY/PAUSE button to exit the menu

Enable programmed playback Mode(remote control only)

For VIDEO CD and AUDIO CD

- Press PROGRAM button to enable the PROGRAM menu.

< OSD>

Program Track

1 _ _ _ 4 _ _ _ 7 _ _ _ 10 _ _ _
2 _ _ _ 5 _ _ _ 8 _ _ _ 11 _ _ _
3 _ _ _ 6 _ _ _ 9 _ _ _ 12 _ _ _

CLEAR ALL **Play Program** **Cancel**

For DVD MODE

- Press PROGRAM button to enable the PROGRAM menu.

Program Title/Chapter

1 _ _ _ _ 4 _ _ _ _ 7 _ _ _ _ 10 _ _ _ _
2 _ _ _ _ 5 _ _ _ _ 8 _ _ _ _ 11 _ _ _ _
3 _ _ _ _ 6 _ _ _ _ 9 _ _ _ _ 12 _ _ _ _

CLEAR ALL **Play Program** **Cancel**

- Press the arrow buttons to select entry.
- For VCD and Audio CD,enter a number from the remote control referencing the designated track. For DVD enter a number respectively for title and chapter, referencing the designated title and chapter to play.
- Repeat this process until your desired tracks/titles/chapters have all been programmed
- Then move the arrow button to select Play Program and press ENTER.Meanwhile the unit will begin to play title/chapter#1 or track#1. Once that title/ chapter or track has been finished playing, playback will jump to the title/chapter #2 or track #2 and so on .
- If you want to change the programming,press the ARROW button to select the Title / Chapter or Track to change,then enter your desired ones again by overwriting the old ones.
- If you want to clear the programming, select CLEAR ALL and Press ENTER button,all the input will be cleared.
- Press PROGRAM button again to close OSD.

Note:Press **STOP** first before pressing **Program** button

3D sound effect(remote control only)

- 3D audio post-process can produce a virtual multi-channel audio effect using only two speakers where applicable .
- Press 3D button and OSD will show the current 3D status.

(OSD) 3D on (1st press)

- Successive presses of 3D will switch 3D sound effect between 3D on and 3D off.

(OSD) 3D off (2nd press)

(OSD) 3D on (3rd press)

.....

Note: You may hear a difference in volume between normal and 3D enhanced sound.

Note: 3D enhancement cannot be activated if the AUDIO OUT setting in the Setup Menu is BITSTREAM.

Note: 3D enhancement may not function depending on the recording system(Dolby digital, MPEG,PCM).

Selecting subtitles (DVD only) (remote control only)

- Press SUBTITLE button,OSD will show the current subtitle choice.This unit support 3 kinds of subtitle choice and subtitle off mode.

(OSD ex.1) 1 Eng (1st press)

- Successive presses of SUBTITLE button will choose other subtitles in circular fashion.

(OSD) 2 Spa (2nd press)

(OSD) 3 Fre (3rd press)

(OSD) off

Note: When you turn on the player or replace a disc.The player returns to the default setting.

Note: for DVD only

Using DISPLAY to view time and play status (remote control only)

- Press DISPLAY once and OSD will display the amount of time played and the remaining time to be played on the disc. For example , the OSD will display:

(OSD ex.) 00:00:06 02:14:18

- Press Display again for OSD to additionally display the current track and the total number of the tracks (for audio CD and VCD); the current title ,chapter and angle , audio ,subtitle mode and the total number of titles,chapters,angle (for DVD only).

(OSD ex.)
DVD 00:00:06 02:14:18
Title 1/5 Chapter 2/12 Angle 1/1
Audio 1 Eng 5.1 Ch
Subtitle off

• Press DISPLAY a third time to close OSD.

Note: For some discs,they will display the spectrum plot for the third press.

Viewing from a desired angle (For DVD with multi-angle only) (remote control only)

• You can select a camera angle when viewing DVDs
• Press ANGLE will display the current angles
(OSD) 1/2

• Successive presses of "ANGLE" button will choose other angle settings

(OSD) 2/2

Using Audio to change the audio language (remote control only) (for multi-language DVD only)

• Press AUDIO to display the current audio language option the unit can support 3 kinds of audio language

(OSD) 1 Eng 5.1ch

• Successive presses of "Audio" will select other options in circular fashion

(OSD) 2 Spa 5.1ch

(OSD) 3 Fre 5.1ch

Using L/R to change the sound Channel (for VCD and audio CD only) (remote control only)

• Press L/R button to display the currently selected sound channel.

(OSD)
L/R MODE Mix

• Successive presses of " L/R" button will chose other three settings.

(OSD)
L/R MODE Stereo

(OSD)
L/R MODE Left

(OSD)
L/R MODE Right

Press L/R to close OSD

Using ZOOM to change the size of Picture(remote control only)

You can use ZOOM to change the Picture size in four modes:1x, 2x,3x,off

If your units is in normal picture size, Press ZOOM,the picture will be Zoomed 1x

(OSD) 1(1st press)

Successive presses will change the Picture to the other size:

(OSD) 2 (2nd press)

(OSD) 3 (3rd press)

MUTE function (remote control only)

• Press MUTE button to enable MUTE function.

(OSD)

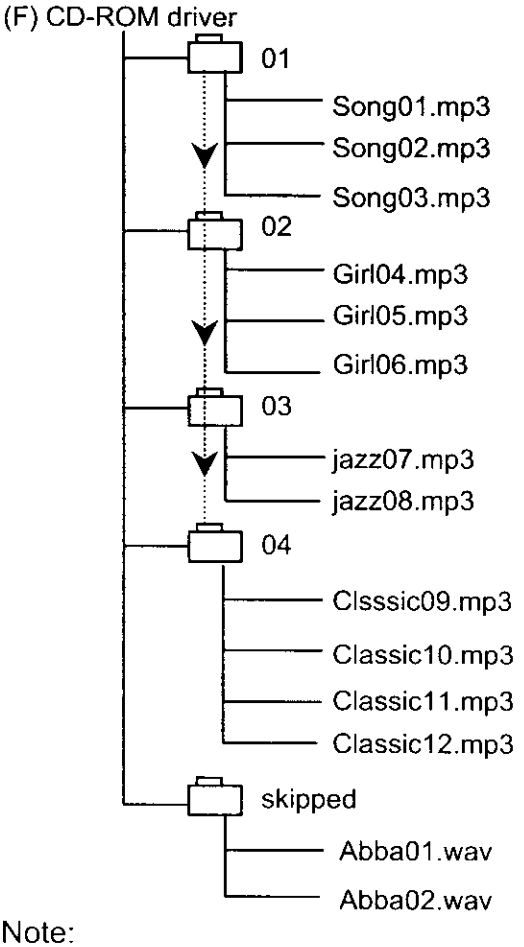
• Press MUTE again to recover the sound.

About MP3 disc

Create your MP3 disc:

- use .mp3 as the extension to save audio files onto CD-R(W) or CD ROM,e.g.Michael08.mp3.Do not use any other extensions e.g. .doc ,.txt,. pdf,etc.,when making audio files into MP3.
- Do not use the .mp3 extension for text or other non-audio data files.This may result in serious malfunction of the set and harmful noise interference.
- Do not attempt to combine CD audio and MP3 tracks within a CD-R(W) or CD-ROM,as the set will only be able to playback your CD audio tracks from mixed CD formats.

The following chart is a example of a PC display for a MP3 disc with albums. an album is shown as an **Folder** in Windows Explorer.



Note:

Arrow pathway show the sequence of MP3 album and track playback.

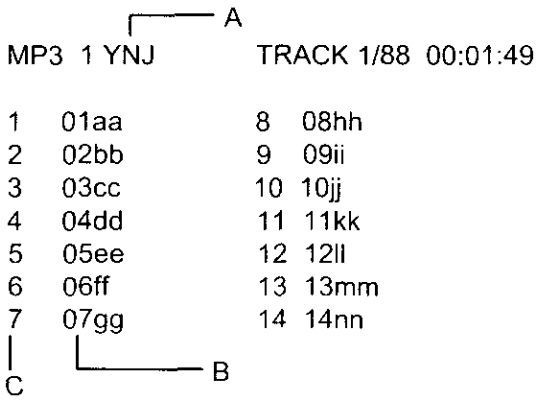
01-04 means this disc has a total number of 4 MP3 albums
Song01-Class12 means the disc has a total number of 12 tracks.

Skipped Denotes an album which contains non-audio files only.e.g. .jpg, .wav,.doc.These cannot be detected or played on the MP3-CD player and are hence "skipped".Where an album contains mixed format files,the non-MP3 files will be skipped.

Select a track

During MP3 playback,OSD will display the following information:

(OSD ex.)



A: Album number and name
B:Track name
C:Track number

There are 3 choices for you to select a track:

1.Enter one or two digit directly from the remote control indicating the track number.Then press ENTER button to play it.
e.g. Press digital buttons"4" and "8" then press Enter.The unit will play track 48.The time icon will indicate the elapsed time of current track.

(OSD ex.)

MP3 1 YNJ **48** TRACK 48/88 00:00:32

1	01aa	8	08hh
2	02bb	9	09ii
3	03cc	10	10jj
4	04dd	11	11kk
5	05ee	12	12ll
6	06ff	13	13mm
7	07gg	14	14nn

2.Press ▶▶| or |◀◀ button briefly and repeatedly on the front panel or remote control to reach your desired track. Press ENTER button to play it.

3.Look through all the albums in your disc, then choose your preferred track.

- Using arrow button to highlight the album number and name.
- Press ENTER button repeatedly to cycle all the albums and change the current album choice.
- Press ▶▶| or |◀◀ button on the front panel or remote control to highlight your desired track in the album
- Press ENTER button to play it.

PLAYER CONFIGURATION VIA SETUP MENU

How to choose setting options

The Setup Menu lets the user set a category from Language, Video, Audio,Rating.

- Press SETUP button will toggle the SETUP Menu between On and Off.

(OSD)

- Use the arrow buttons (◀/▶) to select the menu you want. As each menu is selected with ENTER button, the settings appear below the menu heading.
- Using the arrow buttons (▲/▼) to select the setting you want to change . As the setting is toggled with ENTER button, the options available for each setting appear to the right.
- Use (▲/▼) to select setting options,then press ENTER to toggle it.

OSD Menu	English	English
Subtitle	English	French
Audio	English	Spanish
DVD Menu	English	
OSD	on	

Note: Setup key cannot be activated during disc playing. In this case, press **STOP** first before pressing **SETUP**.

Note: For the settings in audio and rating, Press ENTER button continuously to choose the setting options.

Note: The below will display all the settings you may meet

Language	Video	Audio	Rating
OSD Menu Subtitle Audio DVD Menu OSD Default	TV Shape TV System	Dolby D DTS MP3 Others	Password rating

OSD/DVD menu Language Setting:

The user can select English, Spanish, French for the OSD/DVD language.

OSD/DVD menu in English,select

LANGUAGE: [ENGLISH]

OSD/DVD menu in French,select

LANGUAGE: [FRENCH]

Note: Some DVDs may not include the pre-selected language. In this case, the player automatically displays menus consistent with the disc's initial language setting.

Subtitle Choices:

The user can select English, Spanish, French for the subtitle language.

Subtitle preference is primary language on disc(factory default)

SUBTITLE: [AUTO]

Subtitle preference is English

SUBTITLE: [ENGLISH]

Subtitle preference is Spanish:

SUBTITLE: [SPANISH]

Close the SUBTITLE:

SUBTITLE: [OFF]

Audio choices:

The user can select English, Spanish, French for the audio language.

Sound preference is English

AUDIO: [ENGLISH]

Sound preference is French

AUDIO: [FRENCH]

Note: Some DVDs may be played in a different language than you selected.

OSD:

There's only one setting option for OSD: OSD ON.

OSD ON enables the "POP-UP" displays:

OSD: [ON]

Default:

Default ON can enter factory default setting automatically.

Default: [ON]

Default Off will disable this function.

Default: [OFF]

TV Type Choices:

This option allows the user to select the aspect ratio of their TV

TV type is normally a 4:3 size(factory default).This should be selected when a 4:3 TV is connected.Displays for a 16:9 size can also be selected.

TV TYPE: [4:3LB]

There will cause some visual effects difference choosing between 4:3 LB and 4:3 PS type . You can try both options and select the ones that fit you best

TV TYPE: [4:3PS]

TV type is 16:9 size and shows a widescreen anamorphic; please select the following options.

TV TYPE: [16:9]

TV system choices:

For TV system setting,here we strongly recommend AUTO and NTSC options for the USA user.

Audio output choices:

These option inform the user to select the settings based on one's equipment

- **Analog output choices:**
  The user who owns 2 RCA appliances with inputs can select:

Analog out: [2 channel]

- **Digital output choices:**
  - **Dolby Digital Out**

The player is capable of outputting the Dolby Digital audio signal,also can convert the Dolby Digital signal to a digital Linear PCM signal.

When the player is connected to an AV component (with an optical/ coaxial digital input connector) which has a built-in Dolby Digital decoder, select the following option.

Dolby Digital Out: [Raw]

When the player is connected to an AV component with an optical / coaxial digital input connector which does not contain the Dolby Digital decoder,be sure to select

Dolby Digital Out: [PCM]

Select the following option while turn Off Dolby Digital out.

Dolby Digital out: [Off]

• DTS output

This player is capable of outputting DTS digital audio (bitstream) signal for DVDs recorded in DTS format. When the player is connected to an AV component with an optical /coaxial digital input connector that has a built-in DTS decoder,select the following option:

DTS Digital out: [Raw]

Select the following while Turn off the DTS Digital out

DTS Digital out: [Off]

Note:If you have made digital audio connections to component not equipped to decode the DTS digital bitstream, be sure to select "off ". If a DTS signal output without decoding is selected,the output is a digital noise that could potentially cause damage to your speakers.

• MP3 Digit out

This player is capable of outputting PCM digital audio signal for discs recorded in MP3 format. Usually select the following option when the player is connected to an AV component with an optical/coaxial digital input connector

MP3 Digital out: [PCM]

Select the following option while turn Off MP3 digital out.

MP3 Digital out: [Off]

Note: For some other digital out formats, select RAW when connected to a receiver that accepts Dolby Digital,MPEG or DTS encoded audio signal. If the receiver with an optical /coaxial digital input connector do not have any decoding function, select PCM. If you want to turn off the digital out, select Off.

Password:

This option allows the user to enter a password to lock and unlock the parental control setting into the player.

RATING field unlocked (factory default):

PASSWORD: [* * * * 🔓]

RATING field locked:

PASSWORD: [* * * * 🔒]

Note: For a better explanation, see the notes associated with rating choice.

Rating:

Press ENTER button to cycle all rating,

e.g. Select following which allows admission to person of all ages.

Rating: [G]

Select following when children under 17 are forbidden to view

RATING: [NC-17]

Notes about Password and Rating

1. Parental Control functions only if the DVD disc has it encoded in its program. Parental Control does not work apply to Video CD /Audio CD /MP3.
2. The Rating can be changed if the Password is 'unlocked' (🔓 shown).
   The Rating cannot not be changed if the password is 'locked' (🔒 shown).
3. A password is always 4 digits.
4. Procedure to lock: enter four digits using the digit buttons; the password digits are shown on the screen as

'****' ; The four password digits are saved in memory after the ENTER button is pressed; the ' locked ' icon [🔒] appears.

5. Procedure to unlock: enter four digits using the digit buttons; the password digits are shown on the screen as '****' ; the four password digits are erased from the memory after the ENTER button is pressed; the ' unlock ' icon [🔓] appears.
6. Do not forget your password. As there is no way to override the password.

Additional information

Disc handling and maintenance handling precautions

- Hold the disc by the edges so the surface will not be soiled with fingerprints. (**A**)
  Fingerprints,dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ball-point pen or other writing utensils.
- Do not use cleaning sprays,benzine, thinner,static electricity prevention liquids or any other solvent.
- Be careful not to drop or bend the disc.
- Do not install more than 1disc on the disc tray.
- Do not try to close the disc tray when the disc is not installed properly.(**B**)
- Be sure to store the disc in its case when not in use.

If the surface is soiled C

Wipe gently with a soft,damp (water only) cloth.
When wiping discs, always move the cloth from the center hole toward the outer edge.
(Wipe the disc using a circular motion circular scratches are likely to occur,which will cause noise and possible disc failure.)

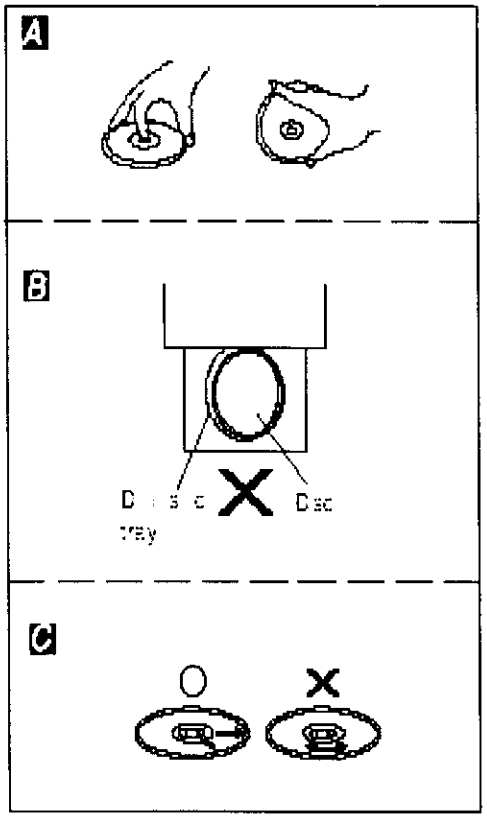
If the disc is brought from a cold to a warm environment,moisture may form on the disc

Wipe this moisture off with a soft, lint-free cloth before using the disc.

Improper disc storage

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance



Maintenance

- Be sure to set the unit to the stand-by mode and disconnect the AC cord before maintaining the player.
- Wipe this player with a dry, soft cloth. If the surfaces are extremely dirty,wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol,benzine,thinner cleaning fluid or other chemicals, and do not use compressed air to remove dust.

Definition of terms

Angle

Recorded onto some DVD disc are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front,the right side,etc). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter number

These number are recorded on DVD DISC.A title is subdivided into many sections,each of which is numbered, and specific parts of video presentation can be searched quickly using these numbers.

Digital audio output connector (optical)

The digital audio output connector (optical) converts electrical signals into optical signals and transfers them to the amplifier. Consequently,it has a number of features including immunity from electrical interference from external sources and its ability to prevent the generation of noise and Its effect on the external environment.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by mean of digital signals.Incorporating a new video compression technology (MPEG II) and high-density recording technology, DVD enable a aesthetically pleasing full-motion movies can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc.Since the two thin discs are adhered to each other,it may be possible to achieve double-sided play for even longer duration play.

Subtitle

This is the appearance of the dialogue at the bottom of the screen which are prerecorded on some DVD discs.

Time number

This indicates the play time which has elapsed from the start of a disc /title/track.It can be used to find a specific scene quickly. (It may not work with some discs.)

Title number

These numbers are recorded on DVD Discs.When a disc contains two or more movies ,these movies are numbered as title 1,title 2,etc.

Track number

These numbers are assigned to the track which are recorded on Video CD/MP3.They enable specific tracks to be located quickly.

Video CD

This contains recording of pictures and sound whose quality is similar to that of video tape.

Specifications

Power
requirement:AC ~100-240V,50/60HZ
Power
Consumption:20W

Signal system:NTSC/PAL
Weight:2.85 kg
Dimensions:360 (W) X 266 (D) X 62 (H) mm
(excluding protrusions)
Operating temperatures:+5 to +35°c
Operating humidity range:5 to 90%
(no condensation)
Disc played:
(1) DVD-VIDEO disc
12cm single-sided,single-layer
12cm single-sided,dual-layer
12cm double-sided,single-layer
12cm double-sided,dual-layer
8cm single-sided,single-layer
8cm single-sided,dual-layer
8cm double-sided,single-layer
8cm double-sided,dual-layer
(2) Compact disc (Video CD,SVCD,CVD,D-VCD,VCD-R,CD-RW,MP3)
12cm disc
8cm disc

Audio section characteristics:
(1) OUTPUT LEVEL(10kΩ):2.0+0.2/-1V
(2) CHANNEL UNBALANCE:0.5dB Max.
(3) AUDIO SNR:95dB Min.
(4) CROSS TALK:80dB Min.
(5) FREQUENCY RESPONSE:20Hz~20KHz
±3dB
(6) FREQUENCY ERROR: ±0.02%
(7) LEVEL NON-LINEARITY:0dB~60dB
±0.5dB

Video section characteristics :
(1) OUTPUT LEVEL:1.0 ±0.2V
(2) HORIZONTAL RESOLUTION: 450LINE Min.

Others:
Pickup: Wave length:665mm
Laser power:Class 1

Specification are subject to change without notice.Weight and dimensions are approximate.

Region Management Information

Region Management Information:This player is designed and manufactured to respond to the Region management information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the region number of this player,this player cannot play this disc.

EXAMPLE:

The Region number for the player is 1.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.Use of this copyright protection technology must be authorized by Macrovision Corporation,and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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Free customer service number is: 1-866-ROWA-USA